MEASUREMENT BOOK

MAIN BILL:

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Date of completion: / Date of recording:	Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No 01:- Earthworks excavation for foundation of building, water supply, sanitary lines and electrical conduits either in pits, or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m in depth including dressing the bottom and sides of pits & trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods, complete as per specifications:						
	Qty vide page no. 3511		351079 →			528.0 cum	
	At the rate of Rs. 83.16 →						43908.50
	Item No 02:- loading and unloading charges..,						

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Num
1	2	
	Qty vide Item No 01	
	At the rate of Rs →	
	Item No 03:- Providing and la	
	nominal mix 1:4:8 using	
	machine mixed, concrete	
	compacted in foundatio	
	Qty vide Item No 0	
	At the rate of Rs	
	Item No 04:- Providing and	

th	Contents 7	Reference to last Measurement 8
uilding, water supply		
pits, or in trenches		
exceeding 1.5m in		
of pits & trenches,		
of excavation with		
as per specifications:		
cum		43908.50

M. A. R. 57 (Rule 116)
Measurement Book

No. B

351089

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Qty vide Item No. 01 →		528.0 cum				
	At the rate of Rs →		94.82 →				50065.00
	Item No. 03:- Providing and laying in position plain cement concrete of nominal mix 1:4:8 using 40mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15cms, thick well compacted in foundation and plinth, including cost of all materials, labour,						
	Qty vide Item No. 03 →		3510.82 →		68.12 cum		345409.30
	At the rate of Rs →		5070.60 →				
	Item No. 04:- Providing and fabricating T.M.T steel reinforcement for RCC work						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	including straightening, cutting, bending, hooking, placing in position, lapping and or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design.						
	Qty vide page No. 351	1	351085 →			10.43 tonne	
	At the rate of Rs.		59327.91 →				618790.20
	Item No 05:- Providing and removing centering, shuttering, strutting, propping etc, and removal of formwork for vertical surface such as walls at any thickness including attached pilasters, buttressed, plinth and string courses as per specifications.						
	Qty vide page	No: 351	351088 →			924.0 sq m	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	At the rate of R
	Item. No 05:- Providing and design mix M20 with granite metal coarse @ 0.459 cum with s including cost of m
	RCC-DRAIN-BOTTOM:
	1st main road: RHS: 0-15

Contents 7	Reference to last Measurement 8
king, placing in	
red, tying with	
mbers wherever	
tonne	
	618790.20
ring, strotting,	
tical surface	
ached pilasters,	
pecifications.	
0 sq m	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

351090

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	At the rate of Rs. 306.72 →						283409.30
	Item. No. 05:- Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs with 20mm & down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastizers @ 3 lts confirming to IS 9103-1999. including cost of materials as per specifications:						
	RCC-DRAIN-BOTTOM:-						
	1st main road: RHS:						
	0-15	01	15.0	0.85	0.15	= 1.91	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	15-30	01	15.0	0.85	0.15	= 1.91	
	30-37	01	7.0	0.85	0.15	= 0.89	
	37-52	01	15.0	0.85	0.15	= 1.91	
	52-67	01	15.0	0.85	0.15	= 1.91	
	67-82	01	15.0	0.85	0.15	= 1.91	
	82-97	01	15.0	0.85	0.15	= 1.91	
	97-112	01	15.0	0.85	0.15	= 1.91	
	112-127	01	15.0	0.85	0.15	= 1.91	
	127-142	01	15.0	0.85	0.15	= 1.91	
	142-151	01	9.0	0.85	0.15	= 1.15	
						19.25 cum	
	LHS:-						
	0-15	01	15.0	0.85	0.15	= 1.91	
	15-24.8	01	9.8	0.85	0.15	= 1.25	
	24.8-39.8	01	15.0	0.85	0.15	= 1.91	
						24.32	
						5.07	

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Nur
1	2	
	39.8-54.8	0
	54.8-64.3	0
	64.3-79.3	0
	79.3-94.3	0
	94.3-109.3	0
	109.3-124.3	0
	124.3-139.3	0
	139.3-154.3	
	154.3-175.3	

OOK

Depth 6	Contents 7	Reference to last Measurement 8
0.15 =	1.91	
0.15 =	0.89	
0.15 =	1.91	
0.15 =	1.91	
0.15 =	1.91	
0.15 =	1.91	
0.15 =	1.91	
0.15 =	1.91	
0.15 =	1.91	
0.15 =	1.91	
0.15 =	1.15	
	19.25 cum	
0.15 =	1.91	
0.15 =	1.25	
0.15 =	1.91	

24.32
5.07.

M. A. R. 57 (Rule 116)
Measurement Book

No. B

351091

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	39.8 - 54.8	01	15.0	0.85	0.15	= 1.91	
	54.8 - 64.3	01	9.5	0.85	0.15	= 1.21	
	64.3 - 79.3	01	15.0	0.85	0.15	= 1.91	
	79.3 - 94.3	01	15.0	0.85	0.15	= 1.91	
	94.3 - 109.3	01	15.0	0.85	0.15	= 1.91	
	109.3 - 124.3	01	15.0	0.85	0.15	= 1.91	
	124.3 - 139.3	01	15.0	0.85	0.15	= 1.91	
	139.3 - 154.3	01	15.0	0.85	0.15	= 1.91	
	154.3 - 175.3	01	15.0	0.85	0.15	= 1.91	
						21.59 cum.	

C & F.C
17/4

40.81

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth	40.81	
1	2	3	4	5	6	7	8
	2nd CROSS - ROADS - RHS:- 0-15	01	15.0	0.85	0.15	= 1.91	
	15-32	01	17.0	0.85	0.15	= 2.17	
	LHS:- 0-15	01	15.0	0.85	0.15	= 1.91	
	15-30	01	15.0	0.85	0.15	= 1.91	
						7.91 sum	
						48.71	
	RCC-DRAIN-SIDE-WALL:-						
	1st main road: RHS 0-15	1X2=2	15.0	0.15	0.62	= 2.79	
	15-30	1X2=2	15.0	0.15	0.60	= 2.70	
	30-37	1X2=2	7.0	0.15	0.60	= 1.26	
	37-52	1X2=2	15.0	0.15	0.50	= 2.25	
	52-67	1X2=2	15.0	0.15	0.50	= 2.25	
	67-82	1X2=2	15.0	0.15	0.45	= 2.03	
	82-97	1X2=2	15.0	0.15	0.43	= 1.94	
						63.93	

C&P.C.

S.D. (12/11)

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
	97-112	1X
	112-127	1X2
	127-142	1X
	142-151	1X
	C&P.C.	
	LHS:- 0-15	1
	15-24.8	1
	24.8-39.8	1
	39.8-54.8	1
	54.8-64.3	1
	64.3-79.3	1

Contents 40.81 7	Reference to last Measurement 8
= 1.91	
= 2.17	
= 1.91	
= 1.91	
7.91 cum	
48.71	
= 2.79	
= 2.70	
= 1.26	
= 2.25	
= 2.25	
= 2.03	
= 1.94	

~~15.22~~ 63.93

M. A. R. 57 (Rule 116)
Measurement Book

No. B

351092

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents ~~65.27~~ 63.793	Reference to last Measurement 8
	97-112	1x2=2	15.0	0.15	0.38	= 1.71	
	112-127	1x2=2	15.0	0.15	0.30	= 1.35	
	127-142	1x2=2	15.0	0.15	0.15	= 0.68	
	142-151	1x2=2	9.0	0.15	0.10	= 0.27	
						19.22 cum	67.94.
	0-15	1x2=2	15.0	0.15	0.40	= 1.80	
	15-24.8	1x2=2	9.8	0.15	0.35	= 1.03	
	24.8-39.8	1x2=2	15.0	0.15	0.50	= 2.25	
	39.8-54.8	1x2=2	15.0	0.15	0.55	= 2.48	
	54.8-64.3	1x2=2	9.5	0.15	0.55	= 1.57	
	64.3-79.3	1x2=2	15.0	0.15	0.42	= 1.89	

78.96

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents 78.98	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	79.3-94.3	1x2=2	15.0	0.15	0.45	= 2.03	
	94.3-109.3	1x2=2	15.0	0.15	0.45	= 2.03	
	109.3-124.3	1x2=2	15.0	0.15	0.55	= 2.48	
	124.3-139.3	1x2=2	15.0	0.15	0.60	= 2.70	
	139.3-154.3	1x2=2	15.0	0.15	0.60	= 2.70	
	154.3-175.3	1x2=2	15.0	0.15	0.65	= 2.93.	
						25.86cum 93.89. 9383	
	2nd CROSS ROADS:						
	R+IS:- 0-15	1x2=2	15.0	0.15	0.55	= 2.48	
	15-32	1x2=2	17.0	0.15	0.50	= 2.55	
	L+IS:- 0-15	1x2=2	15.0	0.15	0.55	= 2.48	
	15-30	1x2=2	15.0	0.15	0.50	= 2.25	
						9.75cum	
						103.59.	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	[Due to 2 levels problem 2nd main road: SIDEWA
	R+IS.- 0-15
	15-30
	30-45
	45-60
	60-75
	75-90
	90-105
	105 120
	120-135

OOK

Depth 6	Contents 7	Reference to last Measurement 8
0.45	= 2.03	
0.45	= 2.03	
0.55	= 2.48	
0.60	= 2.70	
0.60	= 2.70	
0.65	= 2.93	
	25.86 cum	93.89 9383
0.55	= 2.48	
0.50	= 2.55	
0.55	= 2.48	
0.50	= 2.25	
	9.75 cum	
	103.59	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

351093

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work 103.59

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	[Due to 2 levels problem quantity of sides all is considered]						
	2nd main road: SIDEWALL (only) :-						
	R+HS.-						
	0-15	1x2=2	15.0	0.15	0.15	= 0.68	
	15-30	1x2=2	15.0	0.15	0.20	= 0.90	
	30-45	1x2=2	15.0	0.15	0.25	= 1.13	
	45-60	1x2=2	15.0	0.15	0.25	= 1.13	
	60-75	1x2=2	15.0	0.15	0.30	= 1.35	
	75-90	1x2=2	15.0	0.15	0.35	= 1.58	
	90-105	1x2=2	15.0	0.15	0.40	= 1.80	
	105 120	1x2=2	15.0	0.15	0.45	= 2.03	
	120-135	1x2=2	15.0	0.15	0.55	= 2.48	
						13.05 cum	
						116.67	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth	116.67	
1	2	3	4	5	6	7	8
	LHS- 0-15	1X2=2	15.0	0.15	0.15	= 0.68	
	15-30	1X2=2	15.0	0.15	0.20	= 0.90	
	30-45	1X2=2	15.0	0.15	0.25	= 1.13	
	45-60	1X2=2	15.0	0.15	0.25	= 1.13	
	60-75	1X2=2	15.0	0.15	0.30	= 1.35	
	75-90	1X2=2	15.0	0.15	0.35	= 1.58	
	90-105	1X2=2	15.0	0.15	0.40	= 1.80	
	105-120	1X2=2	15.0	0.15	0.45	= 2.03	
	120-128	1X2=2	8.0	0.15	0.55	= 1.32	
						11.90 cum	128.59
	[From 1st cross kuvempu layout to Jain heritage school road]						
	BOTTOM 0-15	01	15.0	0.75	0.10	= 1.13	
	15-30	01	15.0	0.75	0.10	= 1.13	
	30-45	01	15.0	0.75	0.10	= 1.13	
							131.88

M. A.
Me

Serial No. .....
Name of Work ..... From
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	45-60	01
	60-75	01
	75-90	01
	90-105	01
	105-120	01
	120-135	01
	135-150	01
	150-172	01
	SIDE-WALL:- 0-15	1X2=2
	15-30	1X2=2

OOK

h	Depth 6	Contents 116.67 7	Reference to last Measurement 8
	0·15	= 0·68	
	0·20	= 0·90	
	0·25	= 1·13	
	0·25	= 1·13	
	0·30	= 1·35	
	0·35	= 1·58	
	0·40	= 1·80	
	0·45	= 2·03	
	0·55	= 1·32	
		11·90 cum	128·59
Hage	School road]		
	0·10	= 1·13	
	0·10	= 1·13	
	0·10	= 1·13	

13188

M. A. R. 57 (Rule 116)
Measurement Book

No. B

351094

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 13188 7	Reference to last Measurement 8
	45-60	01	15·0	0·75	0·10	= 1·13	
	60-75	01	15·0	0·75	0·10	= 1·13	
	75-90	01	15·0	0·75	0·10	= 1·13	
	90-105	01	15·0	0·75	0·10	= 1·13	
	105-120	01	15·0	0·75	0·10	= 1·13	
	120-135	01	15·0	0·75	0·10	= 1·13	
	135-150	01	15·0	0·75	0·10	= 1·13	
	150-172	01	22·0	0·75	0·10	= 1·65	
						12·90 cum.	124·99
SIDE-WALL:-	0-15	1X2=2	15·0	0·10	0·60	= 1·80	
	15-30	1X2=2	15·0	0·10	0·60	= 1·80	

145·04

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	30-45	1x2=2	15.0	0.10	0.60	= 1.80	
	45-60	1x2=2	15.0	0.10	0.60	= 1.80	
	60-75	1x2=2	15.0	0.10	0.60	= 1.80	
	75-90	1x2=2	15.0	0.10	0.60	= 1.80	
	90-105	1x2=2	15.0	0.10	0.60	= 1.80	
	105-120	1x2=2	15.0	0.10	0.60	= 1.80	
	120-135	1x2=2	15.0	0.10	0.60	= 1.80	
	135-150	1x2=2	15.0	0.10	0.60	= 1.80	
	150-172	1x2=2	22.0	0.10	0.60	= 2.64	
						20.64 cum	
			TOTAL=		160.52 cum	162.08	
	At the rate of Rs.	5033.12 →					807916.40

Serial No. .....
Name of Work ..... Fro
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Numbe
1	2	3
	Item No.06:- Providing and fixing reinforced cement concrete size including centering sh machine mixed concrete well compacted cast of specifications: 1st main road:- R+1S: A+1S:-	LX30 1X5

Contents 7	Reference to last Measurement 8
1·80	
1·80	
1·80	
·80	
·80	
·80	
·80	
·80	
·80	
2·64	
0·64 cum	
cum 162.08	
	807916.40

M. A. R. 57 (Rule 116)
Measurement Book

No. B

351095

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Item No. 06:- Providing and fixing 10cms thick precast RCC covering slab using reinforced cement concrete M20 mix with stone aggregate 20mm & down size including centering shuttering machine mixed concrete laid in layers not exceeding 15cm thick well compacted cost of all materials, labour curing complete as per reinforcement and bar bending specifications:						
	1st main road:-						
	RHS:	1 X 30.0	= 30.0	0.60	-	= 18.0	
	A+LS:-	1 X 55	= 55.0	0.60	-	= 33.0	
						51.0	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	LHS:-	1X38=	38.0	0.60	- =	22.80	
					TOTAL=	73.80 Sq.m	
	At the rate of Rs. 1836 →						135496.80
					GRAND TOTAL=		2284995.50
	Assistant Executive Engineer, Kodigehalli Sub Division, Yelahanka Zone, B.B.M.P., Bangalore.					Apply N.D AE(W)	

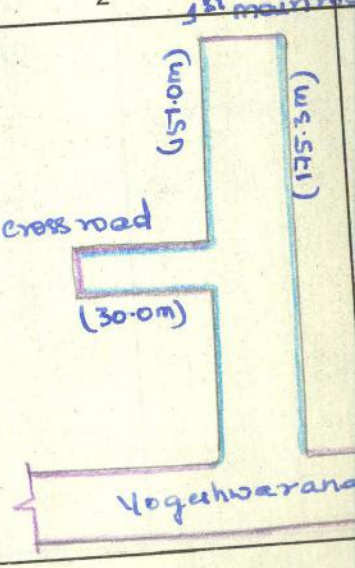
Serial No. Ro

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work
1	2



Contents	Reference to last Measurement
7	8
= 22·80	
AL= 73·80 Sqm	
	135496·80
TOTAL=	2284995·50
hlpllY·N·D AE(W)	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

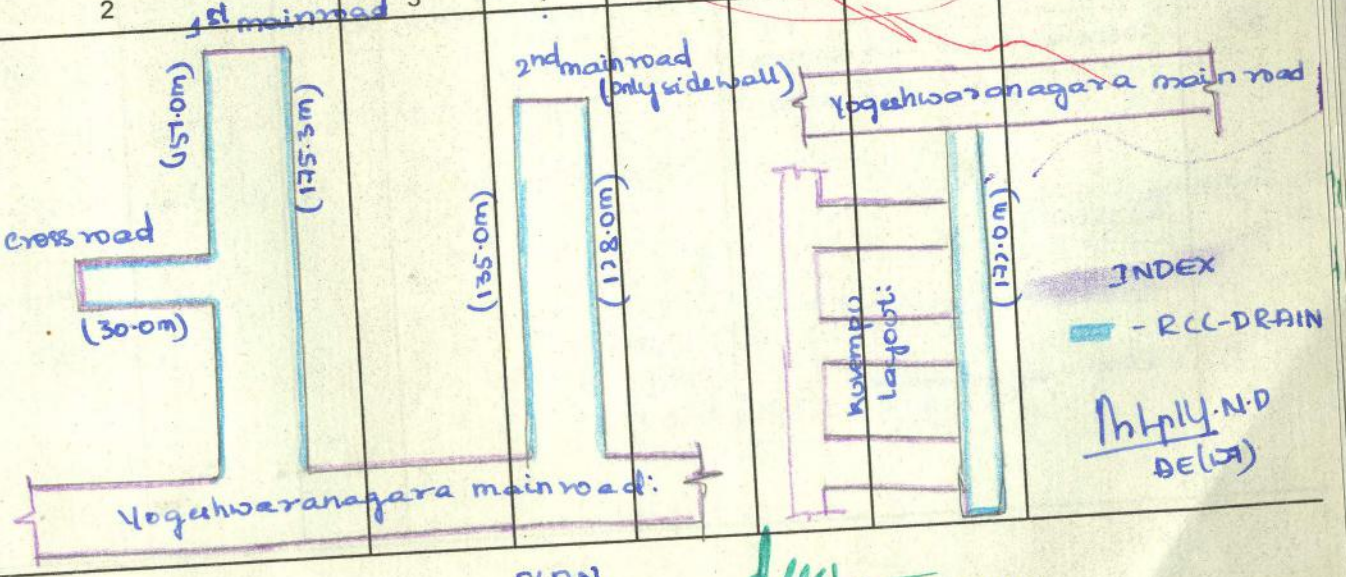
Serial No. Ro ..... From ..... To 351096

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



PLAN

hlpllY·N·D
AE(W)

Assistant Executive Engineer

MEASUREMENT BOOK

Royalty charges:

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Sl. No.	Details		Jelly		Sand	Cement.	
		Coff	Qty	co-eff	Qty	co-eff	Qty:
02.	40mm ↓size - 68.12 cum	0.96	65.39	0.48	32.70	-	-
04	RCC ↓size - 160.52 cum	0.90	144.46	0.45	72.20	-	-
05	10cm RCC slab - 73.80 cum = 738 sq m						
	ABSTRACT						
1)	coarse-aggregate:						
2)	fine- aggregate:						

M. A
M

Serial No. .....
Name of Work ..... Fro
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Numbe
1	2	3
	Certificate:	
	1) Certified that the work do	
	2) Certified that debris has	
	Asst Ly. N.D AE(WA)	

K

epth 6	Contents 7	Reference to last Measurement 8
	Cement · co-eff	qty:
70	-	-
20	-	-

M. A. R. 57 (Rule 116)
Measurement Book

No. B

351097

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Certificate: 1) Certified that the work done by the contractor is satisfactory. 2) Certified that debris has been removed from the work spot. Accepted at measurements with full & final settlement. Asstt Exe. Engr. (W.N.D) AE(W.N)						

Assistant Executive Engineer.
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ. 2284995-00 ಡಿಡಕ್ಷನ್ ಪಾಸು ಮಾಡಿದೆ : ಇದರಲ್ಲಿ ರೂ. 161092-00 ಹೊಂದಾಣಿಕೆ ಮಾಡಿಕೊಂಡು ಉಳಿದ ಮೊಬಲಗು ರೂ. 2123903-00 Rs. Twenty one Lakh twenty three thousand nine hundred three only ಚೆಕ್ ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ Srishaila Kc Talawar 17/11 ಲೆಕ್ಕಾಧಿಕಾರಿ ವ್ಯವಹಾರಾಧಿಕಾರಿ ಜ. ಪಂ. 17/11					Total Rs. 2284995-00 IT - 22850-00 VAT - 91400-00 Cess - 22850-00 CBF - 2285-00 LR - 21707-00 Adju - 161092-00 Cheque: 2123903-00	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ..
Date of commencement of work .....

Date	Full description, etc, of work
1	2